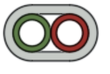
The hybrid low smoke zero halogen microduct (Hybrid LSZH) is designed to be flexible and lightweight, yet durable and easy to handle. The primary tube has suitable low friction characteristics on the inside surface and is manufactured from HDPE.
The primary tubes are surrounded by a layer of moisture barrier non-metallic tape and a flame retardant, low smoke zero halogen (LSZH) polyolefin. The LSZH sheath provides the duct assembly with sufficient protection, especially during installation. The sheath is easily removed to facilitate microduct termination.

❖ Installation: Indoor Application

KNET Co.,LTD
www.e-knet.com
inquiry@e-knet.com

Hybrid LSZH
(Low Smoke Zero Halogen Duct)

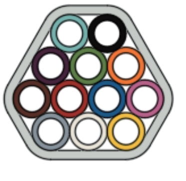
1 way



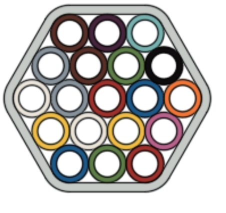
2way

4way

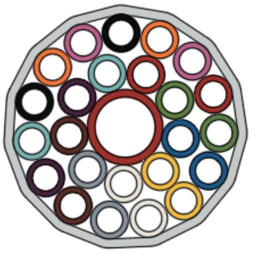
7way



12way



19way



24+1way

Features

Various configurations with different size between 5/3.5mm and 12/10mm
Wide range of number of inner tube from 1 way to 24+1 way

Out sheath Features

•Indoor use with flame retardant properties (IEC 60332 Part 1&3)
• Low smoke emissions
• Contains no Halogens.

Material

- HDPE Inner tube and Outer sheath

Marking & Packing

- Meter or ft marking & Customized marking
- Various & customized put ups per reel

Color

- Outer sheath in natural color and inner tube colors are used according to industry standards, customer's colors, and stripes are optional.

Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink

Temperature Performance

Storage and Transportation	-40°C to +60°C
Installation	-20°C to +50°C
Operation	-40°C to +60°C

Maximum Air Pressure

- 15bar

Mechanical Performance Test compliance

Test	Standard
Tensile Performance	IEC 60794-1-21 Method E1
Bend	IEC 60794-1-21 Method E11
Kink	IEC 60794-1-21 Method E1
Impact	IEC 60794-1-21 Method E3
Crush	IEC 60794-1-21 Method E3
Inner Clearance:	IEC 60794-5-20 Ann.E

- Certified to Telcordia GR 3155-CORE

Microduct Configuration

5/3.5mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	5.0	100	10	60	700
1way	7.4	240	41	90	1,000
2way	12.8x7.8	460	77	100	1,000
4way	12.8x12.8	680	114	160	1,500
7way	17.8x16.5	960	161	200	1,500
12way	22.8x20.8	1,400	236	250	1,500
19way	27.1x27.1	1,900	330	310	1,500
24+1way	32.7x32.7	2,600	438	400	1,500

10/8mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	10.0	300	27	120	700
1way	12.8	560	94	160	1,000
2way	22.8x12.8	900	159	160	1,000
4way	22.8x22.8	1,490	249	280	1,500
7way	32.8x30.1	2,100	366	370	1,500

12/10mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	12.0	300	33	150	700
1way	14.8	670	112	180	1,000
2way	26.8x14.8	1,100	190	180	1,000
4way	26.8x26.8	1,700	299	330	1,500
7way	38.8x35.6	2,600	441	430	1,500

Internationally Certified

KNET has met and maintains the rigorous standards required to become a Certified ISO 9001, ISO 14001 and TL9000 manufacturer.
KNET Microduct Assemblies has been rigorously tested by Telcordia Technologies and found to be compliant to Telcordia GR-3155-CORE.